

CITY OF HENDERSON

FIRE DEPARTMENT GENERAL NOTES

GENERAL:

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE INTERNATIONAL FIRE CODE AS AMENDED AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS AS ADOPTED BY THE CITY OF HENDERSON.
2. APPROVED VEHICLE ACCESS ROADS FOR FIREFIGHTING AND OTHER EMERGENCIES SHALL BE PROVIDED TO ALL CONSTRUCTION SITES PRIOR TO THE PERMANENT FIRE APPARATUS ACCESS ROADS BEING COMPLETE. FIRE HYDRANTS SHALL BE OPERATIONAL PRIOR TO COMBUSTIBLE MATERIAL ARRIVING ON SITE.
3. ACCESS TO BUILDINGS FOR THE PURPOSE OF FIREFIGHTING OR OTHER EMERGENCIES SHALL BE PROVIDED. NEITHER CONSTRUCTION MATERIAL NOR EQUIPMENT SHALL BLOCK THE APPROVED VEHICLE ACCESS, ACCESS TO BUILDINGS, HYDRANTS OR FIRE APPLIANCES. (THIS INCLUDES BLOCKING BY OPEN UTILITY TRENCHING.)
4. PRIOR TO CLOSING ANY WATER SUPPLY CONTROL VALVE OR PLACING ANY FIRE HYDRANT OUT OF SERVICE CONTACT HENDERSON FIRE DEPARTMENT DISPATCH CENTER (**267-4900 option 0**) AND ANY MONITORING FACILITY SUPERVISING THE CONTROL VALVE(S).

FIRE HYDRANTS:

5. FIRE HYDRANTS SHALL BE MAINTAINED IN AN OPERATIVE CONDITION WITH THE REQUIRED WATER SUPPLY. HYDRANTS SHALL BE MAINTAINED IN ACCORDANCE WITH NFPA 25.
6. MANUFACTURER AND MODEL OF FIRE HYDRANTS SHALL BE APPROVED BY CITY OF HENDERSON UTILITIES SERVICE DEPARTMENT PRIOR TO INSTALLATION.
7. FIRE HYDRANTS SHALL BE CONSIDERED ACCEPTED FOR USE WHEN APPROVED BY CITY OF HENDERSON PUBLIC WORKS DEPARTMENT – QUALITY CONTROL DIVISION.
8. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS. WHERE HYDRANTS ARE SUBJECT TO IMPACT BY MOTOR VEHICLES, GUARD POSTS (PIPE BOLLARDS) SHALL BE INSTALLED IN ACCORDANCE WITH IFC SECTION 312.
9. ALL PUBLIC FIRE HYDRANTS SHALL HAVE A SIX DIGIT NUMBER (AS DESIGNATED BY CITY OF HENDERSON UTILITY SERVICES DEPARTMENT **267-2536**) PAINTED ON THE BARREL BY THE HYDRANT INSTALLER. THE NUMBER SHALL BE IN 1" HIGH BLOCK NUMBERS USING BLACK ENAMEL PAINT.
10. PAINTING OF CURBS AND/OR ASPHALT AREAS NEAR HYDRANTS SHALL BE COMPLETED BY THE INSTALLER PRIOR TO FINAL INSPECTION. A SUITABLE COAT OF INDUSTRIAL GRADE ENAMEL (SAFETY RED) SHALL BE APPLIED TO 30 FEET OF CURB; 15 FEET ON EACH SIDE OF A HYDRANT.
11. TO IDENTIFY HYDRANT LOCATION, A BLUE REFLECTIVE PAVEMENT MARKER SHALL BE INSTALLED IN THE CENTERLINE OF THE STREET OR FIRE LANE PERPENDICULAR TO THE HYDRANT.

FIRE DEPARTMENT CONNECTIONS (FDC):

12. SHALL BE LOCATED WITHIN 100 FEET OF A FIRE HYDRANT AS MEASURED BY AN APPROVED UNOBSTRUCTED ROUTE.
13. SHALL FACE THE FIRE LANE.
14. SHALL NOT BE CLOSER THAN 3 FEET TO ANY DOOR OR WINDOW OPENING AND SHALL NOT BE OBSTRUCTED BY TREES, SHRUBS, PARKING SPACES, ETC.

UNDERGROUND PIPING & VALVES:

15. WHEN THE UNDERGROUND PIPING CAN BE SUPPLIED OR PRESSURIZED BY A FIRE DEPARTMENT CONNECTION (FDC), THE UNDERGROUND PIPING SHALL BE DESIGNED TO WITHSTAND A WORKING PRESSURE OF NOT LESS THAN 200 PSI (CLASS 200).
16. ALL SECTIONAL CONTROL VALVES CONTROLLING WATER SUPPLIES ON PRIVATE FIRE SERVICE MAINS SHALL BE LISTED POST INDICATING VALVES (PIV). (THIS SHALL INCLUDE PRIVATE FIRE SERVICE MAINS WHICH ONLY SERVE FIRE HYDRANTS)

EXCEPTION: LISTED STREET VALVES WITH APPROVED DEBRIS "LOCKOUT" CAPS WHEN THE VALVE IS LOCATED WITHIN A ROADWAY. PADLOCK(S) FOR THE LOCKING DEBRIS CAP SHALL BE KEYED ALIKE AND A KEY SHALL BE PLACED IN EACH KNOX BOX AT THE FACILITY.

17. A POST INDICATING VALVE (PIV) SHALL BE PROVIDED AND INSTALLED A MINIMUM OF 5 FEET FROM THE BUILDING FOR ALL FIRE SPRINKLER SYSTEMS AND SHALL BE SET SO THE TOP OF THE POST WILL BE 36" ABOVE THE FINAL GRADE.
18. ALL VALVES THAT CONTROL THE WATER SUPPLY TO PRIVATE FIRE SERVICE MAINS AND/ OR FIRE SPRINKLER SYSTEMS SHALL BE LISTED, INDICATING AND ELECTRICALLY SUPERVISED. THIS INCLUDES ALL VALVES STARTING FROM THE BACKFLOW ASSEMBLIES UNTIL THE WATER LINE ENTERS THE BUILDING.

EXCEPTION 1: LISTED STREET VALVES WITH APPROVED DEBRIS "LOCKOUT" CAPS
EXCEPTION 2: DCDA's THAT ARE CHAINED AND LOCKED (WITH AN APPROVED KNOX OR BREAK-AWAY LOCK) IN THE OPEN POSITION. DCDA CONTROL VALVES SHALL BE ELECTRICALLY MONITORED IF THEY CONTROL ONLY FIRE SPRINKLERS AND NO PIV IS PROVIDED.

19. ALL PIPING AND VALVES SUPPLYING FIRE SPRINKLER SYSTEMS SHALL BE PROTECTED FROM FREEZING WHEN EXPOSED TO TEMPERATURES LESS THAN 40°F. FREEZE PROTECTION SHALL BE APPROVED, DURABLE AND PERMANENT.
20. ALL BACKFLOW OR CROSS CONNECTION REQUIREMENTS OF THE CITY OF HENDERSON UTILITY SERVICES DEPARTMENT SHALL BE INSTALLED UPSTREAM OF THE FIRE SPRINKLER OR STANDPIPE SYSTEM PIV.
21. ALL REQUIRED TESTING AND FLUSHING OF THE UNDERGROUND FIRE SPRINKLER / STANDPIPE WATER SUPPLY PIPING SHALL BE PERFORMED IN THE PRESENCE OF CITY OF HENDERSON PUBLIC WORKS - QUALITY CONTROL DIVISION (QC) (267-3100). THE INSTALLING CONTRACTOR SHALL FURNISH A "CONTRACTOR'S MATERIAL AND TESTING CERTIFICATE" (CM&T) COUNTERSIGNED BY THE PROPERTY OWNER OR REPRESENTATIVE. THE CM&T SHALL BE FILLED OUT COMPLETELY WITH QC INSPECTOR'S INITIALS, WITNESSING EACH TEST. A COPY OF THE UNDERGROUND FLUSH AND HYDROSTATIC TESTING DOCUMENTATION SHALL BE ON-SITE AND SIGNED PRIOR TO THE CONNECTION OF THE UNDERGROUND WATER SUPPLY TO THE FIRE SPRINKLER SYSTEM.

GATES:

22. SHOP DRAWINGS FOR ALL GATES AND MOTORIZED OPENERS OBSTRUCTING FIRE DEPARTMENT ACCESS ROADS SHALL BE SUBMITTED SEPARATELY FOR REVIEW AND RECEIVE APPROVAL PRIOR TO INSTALLATION.